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=> D HIS

        (FILE 'HOME' ENTERED AT 06:38:07 ON 29 NOV 2004)

        FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS' ENTERED AT 06:38:29 ON 29 NOV 2004
L1        1444 S (LUBITZ, ?)/IN,AU
L2          65 S (JECHLINGER, ?)/IN,AU
L3        1428 S (SZOSTAK, ?)/IN,AU
L4       11401 S (WITTE, ?)/IN,AU
L5          12 S L1 AND L2 AND L3 AND L4
L6       14124 S L1 OR L2 OR L3 OR L4
L7           3 DUPLICATE REMOVE L5 (9 DUPLICATES REMOVED)
L8           4 S THERMOSTAB? (S) .LAMBDA (S) ("OR" OR "OL" OR OPERATOR?)
L9           4 DUPLICATE REMOVE L8 (0 DUPLICATES REMOVED)
L10          5 S THERMOSTAB? (S) (MUTANT OR MUTAT?) (S) ("OR" OR "OL" OR OPERA
L11          3 S L10 AND (PHAGE OR BACTERIOPHAGE OR .LAMBDA)
L12          1 S L11 NOT L9
L13        895 S INCREAS? (S) (BINDING OR TEMPERATURE) (S) ("OR" OR "OL" OR OP
L14         51 S L13 (S) .LAMBDA
L15         49 S (HIGHER OR INCREAS?) (S) BINDING (S) TEMPERATURE (S) ("OR" OR
L16         25 S L15 AND REPRESSOR?
L17          4 S L16 AND (.LAMBDA OR LAMBDA)
L18          2 DUPLICATE REMOVE L17 (2 DUPLICATES REMOVED)
L19          8 S L15 AND (PHAGE OR BACTERIOPHAGE)
L20          6 DUPLICATE REMOVE L19 (2 DUPLICATES REMOVED)
L21          4 S L20 NOT L18
L22        741 S (PTASHNE, ?)/IN,AU
L23        224 S L22 AND (LAMBDA OR .LAMBDA)
L24         97 S L23 AND (OPERATOR OR "OL" OR "OR")
L25         18 S L23 AND ((OPERATOR OR "OL" OR "OR") (S) (MUTAT? OR MUTANT))
L26     152058 S (HIGHER OR INCREAS?) (S) (TEMPERATURE OR THERMOSTABILIT?)
L27          3 S L26 AND L24
L28          1 DUPLICATE REMOVE L27 (2 DUPLICATES REMOVED)
L29         35 S L26 AND ((OPERATOR OR "OL" OR "OR") (S) (MUTAT? OR MUTANT))
L30          4 S L29 AND (.LAMBDA OR LAMBDA)
L31          2 DUPLICATE REMOVE L30 (2 DUPLICATES REMOVED)
L32          0 S (LOWER? OR DECREAS?) (S) SENSTIVIT? (S) (TEMPERATURE OR THERM
L33       7118 S (LOWER? OR DECREAS?) (S) SENSITIV? (S) (TEMPERATURE OR THERMO
L34         47 S L33 AND (.LAMBDA OR LAMBDA)
L35          0 S L34 AND (OPERATOR? OR "OL" OR "OR")
L36         37 DUPLICATE REMOVE L34 (10 DUPLICATES REMOVED)
L37         14 S L36 AND (PHAGE OR BACTERIOPHAGE)

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      FILE 'CA, CAPLUS, TOXCENTER, GENBANK, USPATFULL' ENTERED AT 07:53:42 ON
      29 NOV 2004
L2              6 S L1
L3              5 DUPLICATE REMOVE L2 (1 DUPLICATE REMOVED)

=>
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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	190	lubitz-$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:33
L2	2	jechlinger-$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:33
L3	0	szostak-$i.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L4	133	szostak-$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L5	2135	witte-$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L6	1	lubitz-$.in. and jechlinger-$.in. and szostak-$.in. and witte-$. in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L7	2452	lubitz-$.in. or jechlinger-$.in. or szostak-$.in. or witte-$.in.	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L8	9	(lubitz-$.in. or jechlinger-$.in. or szostak-$.in. or witte-$.in.) and lambd$4 and operator$1	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L9	825	thermostab$6 and lambd$4 and operator$1	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L10	782	thermostab$6 and lambd$4 and operator$1 and (phage or bacteriophage)	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:34
L11	2	thermostab$6 with lambd$4 with (operator$1 or "OR" or "OL")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:35

L12	1	(increas$4 with temperature) with lambd$4 with (operator$1 or "OR" or "OL")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:00
L13	11	mutat$4 with lambd$4 with (operator$1 or "OR" or "OL")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:35
L14	1	mutat$4 with lambd$4 with (operator$1 or "OR" or "OL") with thermostab$8	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 06:35
L15	14	(LOWER$4 OR DECREAS$6) WITH SENSITIV$8 WITH (TEMPERATURE OR THERMOSTABILITY) WITH (OPERATOR$1 OR "OL" OR "OR")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:01
L16	14	15 NOT (13 OR 14 OR 11 OR 12)	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:01
L17	2	16 AND (LAMBDA OR ". LAMBDA")	US-PGPUB ; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/11/29 07:01

Connecting via Winsock to STN

provided by InfoChem.

=> S ATCTAACACCGCGCGTGTTGACTATTTTAC/SQSN
L1   6 ATCTAACACCGCGCGTGTTGACTATTTTAC/SQSN

=> D SEQ LC

L1   ANSWER 1 OF 6   REGISTRY   COPYRIGHT 2004 ACS on STN

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HITS AT:    847-876

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:   GENBANK


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      FILE 'REGISTRY' ENTERED AT 07:47:32 ON 29 NOV 2004
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HITS AT:    847-876

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK


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**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC   STN Files:   GENBANK


L1   ANSWER 3 OF 6   REGISTRY   COPYRIGHT 2004 ACS on STN

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**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
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**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS, TOXCENTER

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**RELATED SEQUENCES AVAILABLE WITH SEQLINK**
LC    STN Files:    CA, CAPLUS, TOXCENTER



=> FILE CA CAPLUS TOXCENTER GENBANK USPATFULL
COST IN U.S. DOLLARS                          SINCE FILE       TOTAL
                                                ENTRY         SESSION
FULL ESTIMATED COST                             72.14          72.35


FILE 'CA' ENTERED AT 07:53:42 ON 29 NOV 2004
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FILE 'TOXCENTER' ENTERED AT 07:53:42 ON 29 NOV 2004
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FILE 'GENBANK' ENTERED AT 07:53:42 ON 29 NOV 2004

FILE 'USPATFULL' ENTERED AT 07:53:42 ON 29 NOV 2004
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

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DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
DUPLICATE PREFERENCE IS 'CA, CAPLUS, TOXCENTER, GENBANK'
KEEP DUPLICATES FROM MORE THAN ONE FILE?  Y/(N):N
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format requested. Refer to file specific help messages or the
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L3   ANSWER 2 OF 5 TOXCENTER COPYRIGHT 2004 ACS on STN
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L3   ANSWER 3 OF 5   GENBANK® COPYRIGHT 2004 on STN

   TITLE (TI):   NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION

L3   ANSWER 4 OF 5   GENBANK® COPYRIGHT 2004 on STN

   TITLE (TI):   NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION

L3   ANSWER 5 OF 5   GENBANK® COPYRIGHT 2004 on STN

   TITLE (TI):   NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION

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DIVISION CODE (CI):     Patent
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    TITLE (TI):         NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION
    JOURNAL (SO):       Patent: WO 9807874-A 7 26-FEB-1998; JECHLINGER WOLFGANG
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   AUTHOR (AU):          Jechlinger,W.; Lubitz,W.
   TITLE (TI):           NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION
   JOURNAL (SO):         Patent: WO 9807874-A 4 26-FEB-1998; JECHLINGER WOLFGANG
                         (AT); LUBITZ WERNER (AT)


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   AUTHOR (AU):   Jechlinger,W.; Lubitz,W.
   TITLE (TI):   NEW SYSTEMS FOR REGULATING GENETIC EXPRESSION
   JOURNAL (SO):   Patent: WO 9807874-A 2 26-FEB-1998; JECHLINGER WOLFGANG
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   61 ctctggcggt gataatggtt gc

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L3   ANSWER 1 OF 5   CA COPYRIGHT 2004 ACS on STN   DUPLICATE 1
ACCESSION NUMBER: 128:201820 CA
TITLE: New PR and PL promoter derivatives from lambdoid
                        phages with altered thermostability of repressor
                        binding and their uses
INVENTOR(S):   Lubitz, Werner; Jechlinger, Wolfgang; Szostak, Michael
PATENT ASSIGNEE(S):   Lubitz, Werner, Austria; Jechlinger, Wolfgang;
                        Szostak, Michael
SOURCE: PCT Int. Appl., 44 pp.
                        CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

    PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
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    WO 9807874   A2   19980226   WO 1997-EP4560   19970821
    WO 9807874   A3   19980326
          W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE,
              DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ,
              LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL,
              PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US,
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                UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR,
            GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA,
            GN, ML, MR, NE, SN, TD, TG
    DE 19633698          A1      19980226     DE 1996-19633698          19960821
    CA 2263848           AA      19980226     CA 1997-2263848           19970821
    AU 9746178           A1      19980306     AU 1997-46178             19970821
    AU 725462            B2      20001012
    EP 935664            A2      19990818     EP 1997-944777            19970821
        R:   AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, NL, SE, PT, IE, FI
    NZ 334311            A       20000728     NZ 1997-334311            19970821
    JP 2000517176        T2      20001226     JP 1998-510422            19970821
PRIORITY APPLN. INFO.:                       DE 1996-19633698     A    19960821
                                             WO 1997-EP4560       W    19970821
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AB A process for selecting new PR- or PL-operator sequences of lambdoid
    phages which, compared to wild-type sequences, have a different
    thermostability for the binding of a repressor is described. The method
    uses the E gene of ϕX174 under control of the promoter as the reporter
    gene. After mutation, by propagation in a mutator host, plasmids were
    transformed into a non-mutator host carrying a cI857 gene and screened for
    temperature-sensitivity of lysis. Candidates were then rescreened using a lacZ
    gene and the effects of identified mutations confirmed by site-directed
    mutagenesis. New OR and OL operator sequences are reported that may be of
    use in expression cassettes for the manufacture of antigens for vaccines.

L3   ANSWER 2 OF 5   TOXCENTER COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:119732   TOXCENTER
COPYRIGHT: Copyright 2004 ACS
DOCUMENT NUMBER: CA12817201820C
TITLE: New PR and PL promoter derivatives from lambdoid phages
                        with altered thermostability of repressor binding and
                        their uses
AUTHOR(S):   Lubitz, Werner; Jechlinger, Wolfgang; Szostak, Michael
CORPORATE SOURCE: ASSIGNEE: Szostak, Michael
PATENT INFORMATION: WO 987874 A2 26 Feb 1998
SOURCE: (1998) PCT Int. Appl., 44 pp.
                        CODEN: PIXXD2.
COUNTRY: AUSTRIA
DOCUMENT TYPE: Patent
FILE SEGMENT: CAPLUS
OTHER SOURCE: CAPLUS 1998:151259
LANGUAGE: German
ENTRY DATE: Entered STN: 20011116
                        Last Updated on STN: 20020605
AB A process for selecting new PR- or PL-operator sequences of lambdoid
    phages which, compared to wild-type sequences, have a different
    thermostability for the binding of a repressor is described. The method
    uses the E gene of ϕX174 under control of the promoter as the reporter
    gene. After mutation, by propagation in a mutator host, plasmids were
    transformed into a non-mutator host carrying a cI857 gene and screened for
    temperature-sensitivity of lysis. Candidates were then rescreened using a lacZ
    gene and the effects of identified mutations confirmed by site-directed
    mutagenesis. New OR and OL operator sequences are reported that may be of
    use in expression cassettes for the manufacture of antigens for vaccines.

=> D HIS

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